

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1. (original) Intraparietal reinforcement valve (1) that is designed to be integrated into a biological prosthesis (10), characterized by the fact that it is suitable for being placed inside the organic tissue of this biological prosthesis (10) and for reinforcing the structure of the latter so as to keep its shape after implantation.
2. (currently amended) Intraparietal reinforcement device (1) according to ~~the preceding~~ claim 1, wherein it comprises an intraparietal rod (2) that is suitable for being inserted into the organic tissue of biological prosthesis (10) and a leg (3) that is attached to a first end of rod (2).
3. (currently amended) Intraparietal reinforcement device (1) according to ~~the preceding~~ claim 2, wherein it comprises in addition an attachment (4) that is suitable for being attached to a second end of rod (2).
4. (currently amended) Intraparietal reinforcement device (1) according to ~~one of claims 2 to 3~~ claim 2, wherein intraparietal rod (2) is straight.
5. (currently amended) Intraparietal reinforcement device (1) according to ~~one of claims 2 to 3~~ claim 2, wherein intraparietal rod (2) has a helical shape.

6. (currently amended) Intraparietal reinforcement device
(1) according to ~~one of claims 2 to 5~~ claim 2, wherein rod (2) comprises a helical portion (2a) on its surface.
7. (currently amended) Intraparietal reinforcement device
(1) according to ~~one of claims 2 to 6~~ claim 2, wherein rod (2) comprises at the second end a pointed portion (2b) that is suitable for piercing and penetrating, without causing damage, the organic tissue of biological prosthesis (10).
8. (currently amended) Intraparietal reinforcement device
(1) according to ~~one of claims 2 to 7~~ claim 2, wherein leg (3) is made by a straight bar.
9. (currently amended) Intraparietal reinforcement device
(1) according to ~~one of claims 2 to 7~~ claim 2, wherein leg (3) is made by a curved bar, whereby the curvature corresponds to the curvature of the outside circumference of biological prosthesis (10).
10. (currently amended) Intraparietal reinforcement device
(1) according to ~~one of claims 3 to 9~~ claim 3, wherein attachment (4) is made by a curved bar, whereby the curvature corresponds to the curvature of the outside circumference of biological prosthesis (10).
11. (currently amended) Biological prosthesis (10), wherein it is provided with at least one intraparietal reinforcement device (1) according to ~~one of the preceding claims~~ claim 1.
12. (currently amended) Biological prosthesis (10) according to ~~the preceding~~ claim 11, wherein it involves an animal aortic valve that comprises intraparietal reinforcement devices (1).

13. (currently amended) Biological prosthesis (10) according to ~~the preceding~~ claim 12, wherein intraparietal rod (2) of intraparietal reinforcement devices (1) is placed inside tubular outside wall (12) of the valve along lines of intersection of this wall (12) with commissures (13) of the valve.

14. (currently amended) Biological prosthesis (10) according to ~~the preceding~~ claim 13, wherein leg (3) and/or attachment (4) of intraparietal reinforcement devices (1) are/is covered by a Teflon material.

15. (new) Intraparietal reinforcement device (1) according to claim 3, wherein intraparietal rod (2) is straight.

16. (new) Intraparietal reinforcement device (1) according to claim 3, wherein intraparietal rod (2) has a helical shape.

17. (new) Intraparietal reinforcement device (1) according to claim 3, wherein rod (2) comprises a helical portion (2a) on its surface.

18. (new) Intraparietal reinforcement device (1) according to claim 4, wherein rod (2) comprises a helical portion (2a) on its surface.

19. (new) Intraparietal reinforcement device (1) according to claim 5, wherein rod (2) comprises a helical portion (2a) on its surface.

20. (new) Intraparietal reinforcement device (1) according to claim 3, wherein rod (2) comprises at the second end a pointed portion (2b) that is suitable for piercing and

penetrating, without causing damage, the organic tissue of biological prosthesis (10).